Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	03/23/2018 10:28 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124605	-1	1.71	124487	1.65
Blue	F	SSC	125000	122322	-3	3.19	122581	2.97
Blue	E	FITC	23615	22671	-4	2.67	1012	10.86
Blue	D	PE	26739	26110	-3	2.26	939	10.42
Blue	B	PerCP-Cy5-5	48339	47419	-2	3.68	1365	17.86
Blue	A	PE-Cy7	45021	45067	0	5.44	692	37.39
Red	C	APC	53064	52083	-2	2.71	2985	9.67
Red	A	APC-Cy7	57175	56215	-2	2.68	1172	11.27
Violet	B	V450	14728	14182	-4	4.62	680	9.64
Violet	A	V500	58621	56666	-4	4.54	2502	6.87

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19692	2.84	614	0	N/A	N/A	Pass
Blue	F	SSC	60508	1.70	561	15	N/A	N/A	Pass
Blue	E	FITC	113	40.60	551	3	0.0184	142	Pass
Blue	D	PE	204	30.24	542	6	0.1381	212	Pass
Blue	B	PerCP-Cy5-5	211	49.11	642	7	0.0091	148	Pass
Blue	A	PE-Cy7	72	131.79	701	8	0.0109	22	Pass
Red	C	APC	340	29.14	599	2	0.0194	88	Pass
Red	A	APC-Cy7	130	41.41	582	2	0.0055	1914	Pass
Violet	B	V450	82	45.89	464	-6	0.0439	2307	Pass
Violet	A	V500	182	24.71	490	-7	0.0150	1003	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.67	-31.01	0.98
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.35
Red	16.96	14.40 - 21.60	N/A	N/A	30.68	31.20	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 13782

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments